

SIEMENS

DIGISCAN M

SP

Troubleshooting Guide

Acquisition workstation, image reader

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1	Prerequisites	1 - 1
	Safety information	1 - 1
	General remarks	1 - 1
	Laser safety	1 - 1
	Documents required	1 - 1
	CD-ROM and diskette required	1 - 1
	Tools, meters and appliances	1 - 2
	General remarks	1 - 2
	Tools, meters and appliances required	1 - 2
	Abbreviations	1 - 2
2	First aid	2 - 1
	Fault isolation chart	2 - 1
	Explanations	2 - 2
	General	2 - 3
	Software installation and configuration	2 - 3
	Check settings of hardware configuration	2 - 3
3	Error symptoms	3 - 1
	Acquisition workstation	3 - 1
	No images displayed on LCD monitor	3 - 1
	No images displayed on SIMOMED monitor (option)	3 - 1
	Problem to log in	3 - 1
	If warning about full disk appears during syngo start-up	3 - 1
	If warning about invalid license appears during syngo start-up	3 - 1
	All problems with acquisition workstation	3 - 1
	No contact with image reader	3 - 2
	No contact with network onsite	3 - 2
	If the computer do not boot from the hard disk	3 - 2
	If the workstation does not start after an unplanned power cut off	3 - 2
	Problem with barcode scanner	3 - 2
	Image Quality	3 - 3
	Spatial resolution less than 8 lp/mm	3 - 3
	Measured mean value not equal to 400 (or customer preferred) +32	3 - 3
	Phantom image quality not achieved	3 - 3
	AEC reproducibility	3 - 3
	Damaged imaging plate	3 - 3
	Hardcopy camera (option)	3 - 4
	Print problem	3 - 4
	CD-RW drive / MOD drive (option)	3 - 5
	Problem to save to CD-RW drive	3 - 5
	Problem to read from CD-RW drive	3 - 5
	All problems with MOD drive	3 - 5
	Problem to save to MOD drive	3 - 5
	Problem to read from MOD drive	3 - 5
	Problem to communicate with CD-RW drive or MOD drive	3 - 6

	Page
Communication Switch (option)	3 - 7
No contact with the mammomat	3 - 7
4 Messages	4 - 1
General	4 - 1
Syngo event log	4 - 1
Service messages found in syngo event log	4 - 4
ACBE (Acquisition control backend)	4 - 5
AQBE (Acquisition backend)	4 - 8
AQFE (Acquisition frontend)	4 - 10
Common	4 - 10
ESC (Examination session server client)	4 - 14
ESE (Examination session errors)	4 - 15
ESS (Examination session server)	4 - 21
FCRBE (Image reader)	4 - 21
IPBE (Image processing)	4 - 30
MBE (MAMMOMAT backend)	4 - 32
Service messages displayed on the AWS screen	4 - 32
Operator messages displayed on the AWS screen.	4 - 33
Operator message displayed on the generator control panel	4 - 44
5 Image reader	5 - 1
6 Changes to previous version	6 - 1

Safety information

General remarks

- The product-specific safety information contained in this document, as well as the general safety information must be observed.
- The general ESD guidelines must be observed.
- Pull out boards only when the unit is switched off.

Laser safety

- When working with an open laser, the leather gloves and laser safety glasses must be worn.
- Non-reflecting tools must be used.
- See also "Safety and Radiation Protection Guidelines" ARTD 2.

Documents required

- DIGISCAN M Quality Control Manual, SPB7-420.210.01...
- DIGISCAN M Software acquisition workstation, SPB7-420.816.01...
- DIGISCAN M Installation Instructions, SPB7-420.812.01...
- DIGISCAN M Start-up, SPB7-420.815.01...
- DIGISCAN M Maintenance, SPB7-420.831.01...
- DIGISCAN M Instructions for Use, SPB7-420.201.01...
- MAMMOMAT 3000 Nova Service Program, SPB7-230.114...
- Option: MAMMOMAT 3000 Nova - Opdima® Service Instructions, SPB7-230.061...
- If reader is not serviced by Fuji: Fuji Service Manual FCR 5000MA plus, 009-058...

CD-ROM and diskette required

- Windows® 2000 software CD-ROM.
- ASCRx software CD-ROM.
- A backup floppy with the software settings.

Tools, meters and appliances

General remarks

The recommended equipment meets the specifications and are suitable for the measurements and checks listed. If other devices are used, make sure that they also meet the specifications and are suitable for the listed measurements and checks.

If in doubt, contact CS Headquarters Support Center +49-9191-18 8080

The required adjustment and calibration intervals must be maintained.

Before any measurement or test equipment is used, it must first be subjected to a visual check. Damaged measurement or test equipment which can influence the accuracy of the test result may not be used.

NOTE

All tools, meters and appliances with the exception of those marked “*”, are listed along with their specifications in the STC (Service Tools Catalogue).

Tools, meters and appliances required

- Standard tool kit

NOTE

Tools, meters and appliances required for the image quality tests are listed with the tests in the DIGISCAN M Quality Control Manual, SPB7-420.210.01... .

Abbreviations

ASCRx	Acquisition workstation software based on <i>syngo</i> ® (x is product version)
AWS	<u>A</u> cquisition <u>W</u> orkstation
CSE	<u>C</u> ustomer <u>S</u> upport <u>E</u> ngineer
IP	<u>I</u> maging <u>P</u> late
IP address	<u>I</u> nternet <u>P</u> rotocol address
MOD	<u>M</u> agneto <u>O</u> ptical <u>D</u> isc

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Fault isolation chart

NOTE

This chart is to be regarded as a guide only, and not as a complete service tool. It will guide you to the appropriate chapter within this document.

NOTE

If the acquisition workstation is ON, start by reading the error log. Otherwise follow the fault isolation chart below.

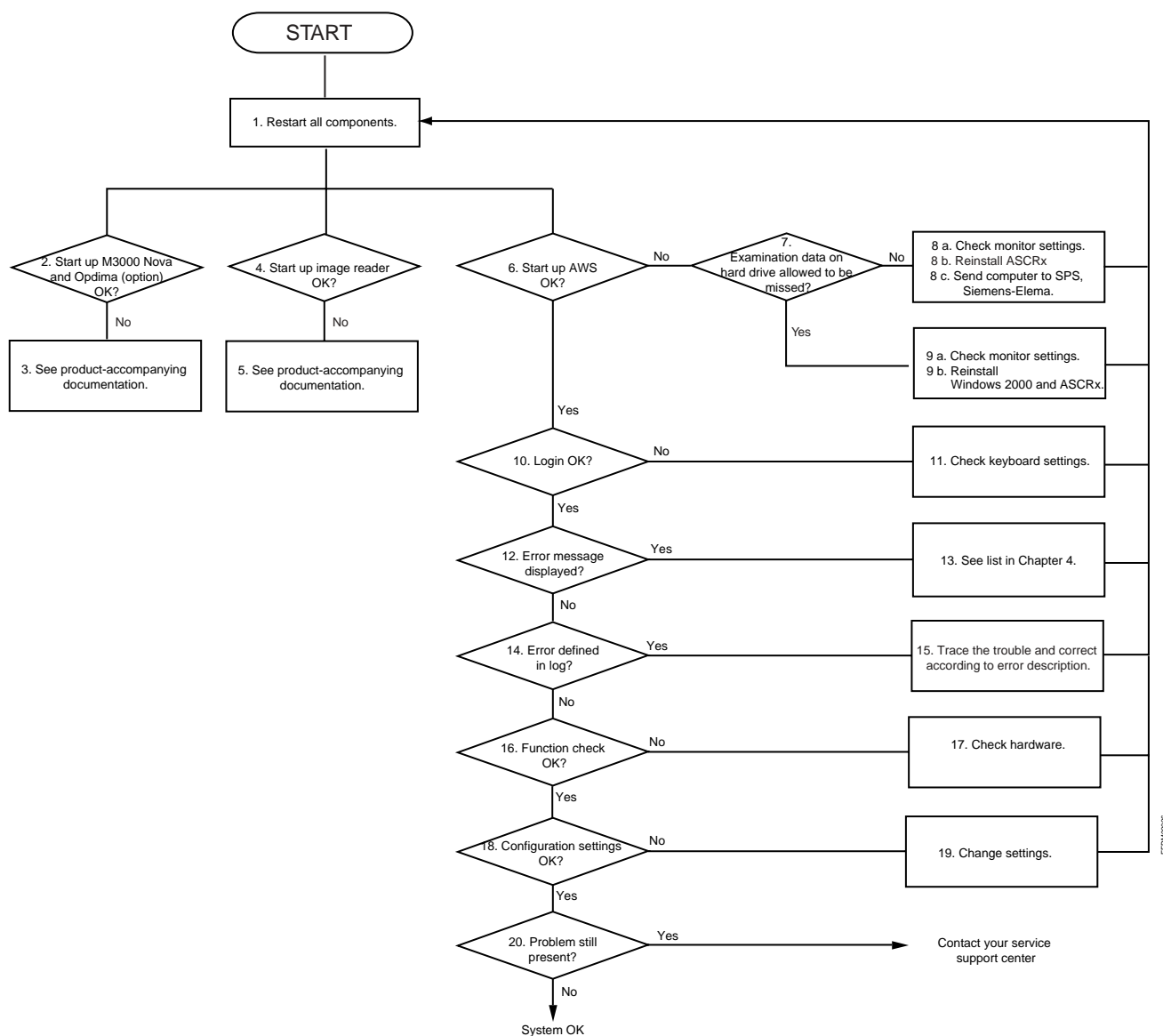


Fig. 1

Explanations

Step	Explanation
1	Restart the system.
2	Start up the MAMMOMAT 3000 Nova and Opdima® (option).
3	See MAMMOMAT 3000 Nova Service Program and/or MAMMOMAT 3000 Nova - Opdima® Service Instructions.
4	Start up the image reader.
5	See Fuji Service Manual FCR 5000MA plus.
6	Start up the acquisition workstation.
7	Confirm with operator if backup of all essential examination data has been done.
8 a	To make sure suspected problems during start-up of AWS is not caused by black monitor, check monitor settings.
8 b	Reinstall ASCRx.
8 c	Exchange computer. Send broken computer to SPS, Siemens-Elema for data retrieval.
9 a	To make sure suspected problems during start-up of AWS is not caused by black monitor, check monitor settings.
9 b	Reinstall Windows 2000 and ASCRx.
10	Log in as meduser.
11	Check keyboard language settings.
12	Messages are displayed automatically if any.
13	Take measures according to the displayed error message.
14	Errors that occur during usage are logged.
15	Take measures according to the logged error message.
16	Perform the function check described in DIGISCAN M Start-up.
17	Check hardware.
18	See DIGISCAN M Software acquisition workstation to see which initial configuration settings that are recommended.
19	Change configuration settings.
20	If the problem is still present, contact your service support centre.

General

In general, always check the log files for more information, see "Messages" on Page 4 - 1.

Software installation and configuration

Make sure that the acquisition workstation software is correctly installed and configured, see DIGISCAN M Software acquisition workstation, SPB7-420.816.01... .

Make sure that the image reader software is correctly configured, see DIGISCAN M Start-up, SPB7-420.815.01... .

Check settings of hardware configuration

Make sure that the hardware settings are correct, see DIGISCAN M Installation Instructions, SPB7-420.812.01... and DIGISCAN M Start-up, SPB7-420. 815.01... .

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Acquisition workstation

No images displayed on LCD monitor

- Check cables.
- Green LED indicates monitor synchronized with computer.
Yellow LED indicates monitor not synchronized with computer.
- Make sure that the monitor is installed before the computer is switched ON.
- Press the SELECT button. If a menu is shown the monitor is functioning.
- Check that DVI SELECTION is set to DIGITAL.
- Make sure that the brightness and contrast is not set to minimum.
- Restart the acquisition workstation.

No images displayed on SIMOMED monitor (option)

- Check cables.

Problem to log in

- Check that the keyboard layout is set according to correct language, for instructions see DIGISCAN M Software acquisition workstation, SPB7-420.816.01... .

If warning about full disk appears during syngo start-up

The free disk space has to be enough for at least 100 exposures. If not, a warning appears.

- Archive images on MOD and/or CD-R and/or send them to archive system and/or viewing station according to DIGISCAN M Instructions for Use, SPB7-420.201.01... .
- Check that the archiving routine configured for the hospital works properly.

If warning about invalid license appears during syngo start-up

- Check that the dongle is connected to the parallel port. The license is connected to the ID of the dongle.
- Create a new license.

All problems with acquisition workstation

- To check that the computer components are correct, call up **Start > Control Panel > System > Hardware**.
Technical specifications for the components are listed in DIGISCAN M Instructions for Use, SPB7-420.201.01... .

No contact with image reader

- Check cable.
- Check in the image reader for the IP addresses of the image reader and the acquisition workstation:
In the M-Utility select **2** for configuration and then **7** for addresses.
- Check in the acquisition workstation for the IP addresses of the image reader and the acquisition workstation:
Call up C:\WINNT\System 32\drivers\etc\hosts.
- Compare the IP addresses found above with the initial IP address settings, see DIGISCAN M Start-up, SPB7-420. 815.01... .
- Compare also the IP addresses in the image reader with the IP addresses in the acquisition workstation.
- Ping the image reader from the acquisition workstation:
Call up **Start > Utilities > Accessories > Command Prompt**.
Type "ping" and the IP address of the image reader in the DOS window.

No contact with network onsite

- Check cable.
- Ping a computer on the network from the acquisition workstation:
Call up **Start > Utilities > Accessories > Command Prompt**.
Type "ping" and the IP address of the computer in the DOS window.

If the computer do not boot from the hard disk

- During the boot routine, press **F2** to get into the SCSI-BIOS.
- Select **Main > Boot options > Boot sequence**.
- Select "Adaptec SCSI CDROM drive" and press <space> to add "!" before "Adaptec SCSI CDROM drive".
- Select "+Diskette standard" and press <space> to add "!" before "+Diskette standard".
- Save settings.

If the workstation does not start after an unplanned power cut off

- Unplug the mains cable from the wall socket.
- Connect the mains cable and switch on the workstation.

Problem with barcode scanner

- Check cables.
- Re configure the barcode scanner according to DIGISCAN M Start-up, SPB7-420.815.01... .
- Call up **Start > Programs > Accessories > Wordpad**. Read the projection view barcodes with the barcode scanner. A sequence of numbers should appear in Wordpad.
- In case of barcode scanner failure, try to type in the Wordpad with the keyboard. If it works, exchange barcode scanner.

Image Quality

Spatial resolution less than 8 lp/mm

Monitor:

- Check monitor settings, see DIGISCAN M Quality Control Manual, SPB7-420.210.01... .
- Exchange IP and IP cassette.
- If image reader service is done by Fuji, contact the Fuji service organization.
- If image reader service is done by Siemens, see Fuji Service Manual FCR 5000MA plus, 009-058... .

Hardcopy camera:

- Exchange IP and IP cassette.
- If image reader service is done by Fuji, contact the Fuji service organization.
- If image reader service is done by Siemens, see Fuji Service Manual FCR 5000MA plus, 009-058... .
- Contact the hardcopy camera manufacturer.

Measured mean value not equal to 400 (or customer preferred) ± 32

- Recalibrate AEC according to DIGISCAN M Start-up, SPB7-420.815.01... .

Phantom image quality not achieved

- Exchange IP and IP cassette.
- If service is done by Fuji, contact the Fuji service organization.
- If service is done by Siemens, see Fuji Service Manual FCR 5000MA plus, 009-058... .

AEC reproducibility

- Exchange IP and IP cassette.
- Recalibrate AEC according to DIGISCAN M Start-up, SPB7-420.815.01... .
- See MAMMOMAT 3000 Nova documentation.

Damaged imaging plate

- Exchange IP.
- Check operators handling of IPs.
- If service is done by Fuji, contact the Fuji service organization.
- If service is done by Siemens, see Fuji Service Manual FCR 5000MA plus, 009-058... .

Hardcopy camera (option)**Print problem**

- Check cables.
- IP address from network administrator at the hospital.
- Check that a supported and recommended hardcopy camera is connected.
- Contact the hardcopy camera manufacturer.

CD-RW drive / MOD drive (option)

- Check that correct media is used.
- Check that write protection is not activated.

Problem to save to CD-RW drive

- Check if CD-ROM is full.
- Try to save to a new CD-ROM.
- Power OFF and reboot the acquisition workstation.
- Change the CD-RW drive.

Problem to read from CD-RW drive

- Insert another CD-ROM in the CD-RW drive and check if that can be read.
- Power OFF and reboot the acquisition workstation.
- Change the CD-RW drive.

All problems with MOD drive

- Make sure that the SCSI cables are properly connected and fixed to the units and that the cable is not bent to much just behind the MOD drive.
- Check that the MOD drive is terminated correctly.

Problem to save to MOD drive

- Make sure that MOD drive is switched ON.
- Make sure that the MOD is formatted.
- Check if MOD is full.
- Try to save on new MOD.
- Power OFF and reboot the acquisition workstation.
- Check cables and termination.
- Change MOD drive.

Problem to read from MOD drive

- If it is a new disk, press OK (this will format the disk). Else, press Cancel.
- Insert another MOD in the MOD drive and check if that can be read.
- Power OFF and reboot the acquisition workstation.
- Check cables and termination
- Change MOD drive.

Problem to communicate with CD-RW drive or MOD drive

Check of SCSI settings.

- During the boot routine, press **CTRL + A** to get into the SCSI-BIOS.
- Select **Configure > View Host Adapter Settings** and press **Enter**.
- Select **Advanced > Configuration Options** and press **Enter**.
- Select **BIOS Support for Bootable CD-ROM**.
- Set to **Enabled**.
- Press **Esc**.
- Press **Esc**.
- Select **SCSI Disk Utilities** and press **Enter**.
- If a MOD drive is available, set the CD-RW ID to 6 and the MOD ID to 4.
- Press **Esc**.
- Press **Esc**.
- Select **Exit Utility?** and press **Yes**.
- Press **Enter**.
- Press **Enter**.

Communication Switch (option)

No contact with the mammomat

- Check that the cables are properly connected.
- Check the that the setting of the communication switch is set to AWS.

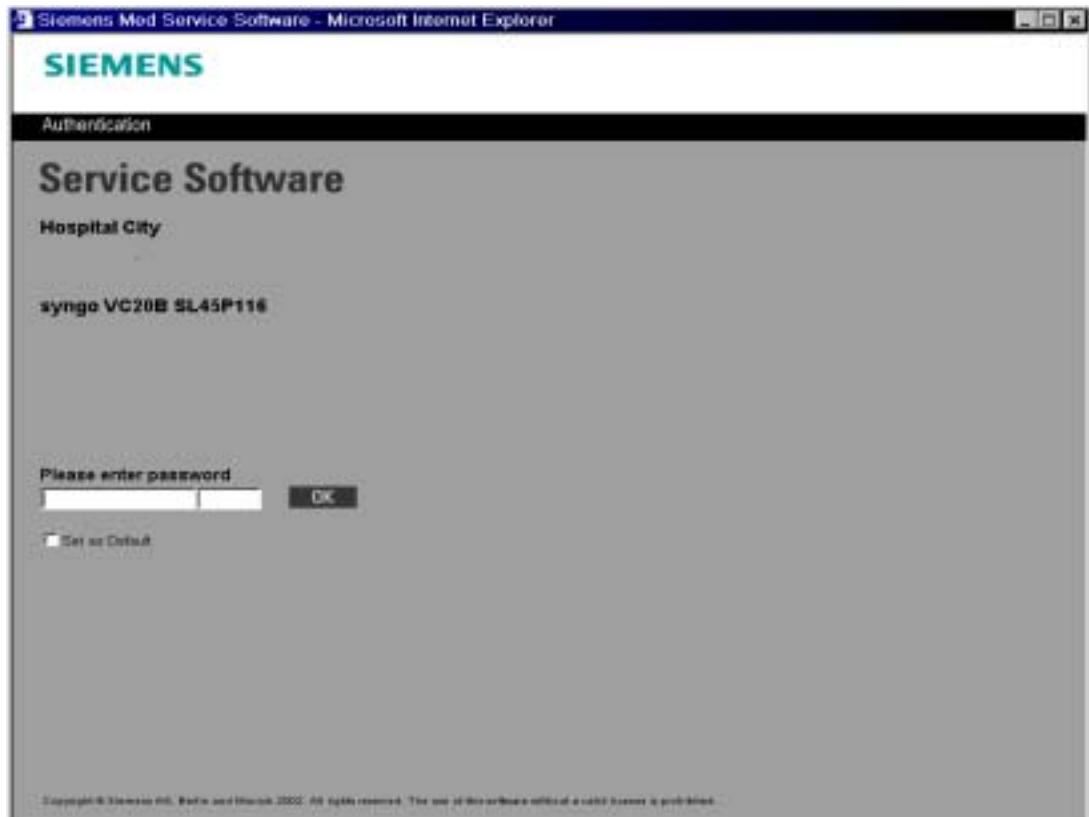
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General

In the *syngo* event log, service messages and operator messages, which are displayed on the acquisition workstation screen, are found.

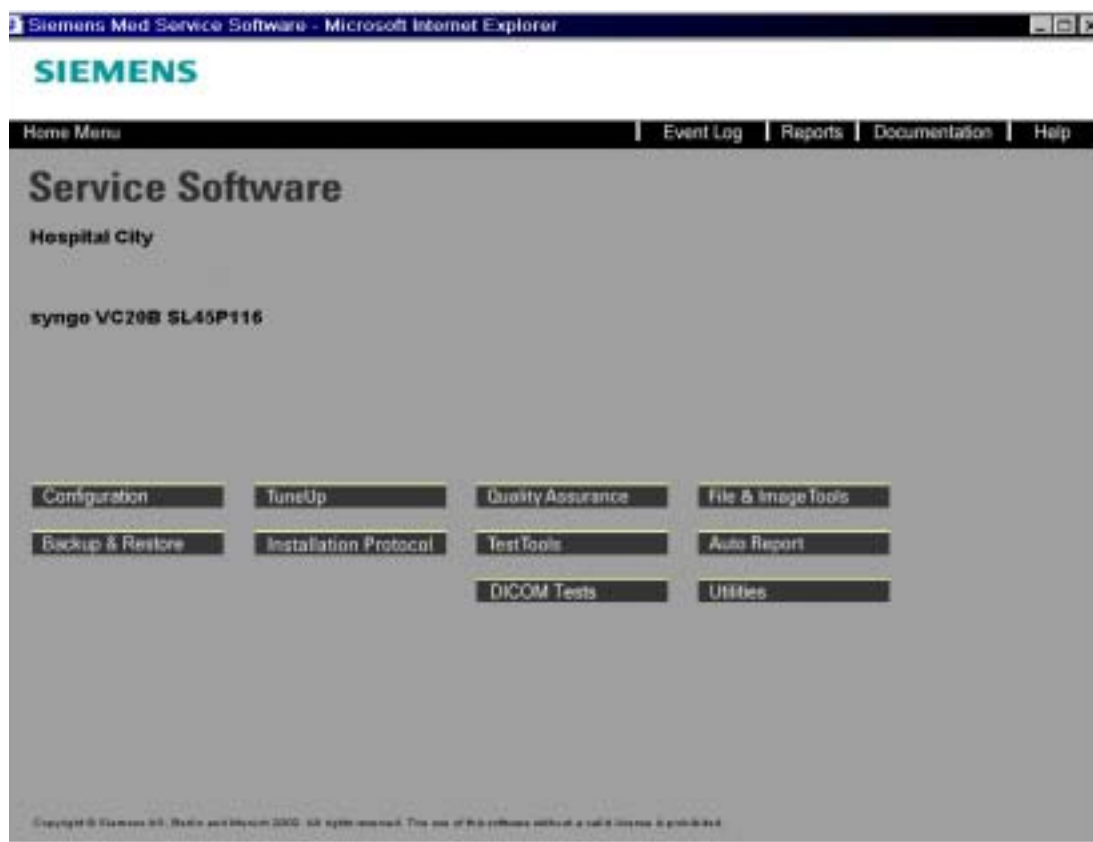
Syngo event log

- Log in as “meduser”.
- Select **Options > Service > Local Service** in the window menu header.



- Enter the service key (14 character in 1st mask and 6 character in 2nd mask).
- Confirm with **OK**.

The Service Home menu appears.



- Select **Event Log** in header.



- Select the appropriate eventlog file here.
- Select the period of time under consideration in **Time Range**.
- Evaluate the corresponding messages for conspicuous features.
- Close the window by clicking in the upper right corner.

Service messages found in syngo event log

%1, %2, %3, %4 and %5 are used to insert additional message and are dependent on which kind of message is used and which part of the program it is used in.

ACBE (Acquisition control backend)

Severity	Message	Explanation	Action	Information
Error	In %1: Unable to prepare image %2.	It was not possible to create and prepare an image.	Please free resources on the system and try again.	For an exposure it is needed to create and prepare an image.
Error	In %1: Received notification that the data for image %2 timed out from the reader. The image is not stored on disk.	An internal error has occurred.	Please try re-outputting the image from the reader again.	The image-data cannot be read from the reader. No data is stored for that image.
Error	In %1: The dicom-data for image %2 from FCRBE is incorrect. Image is not stored on disk.	An internal error has occurred.	Please re-output the image from the reader later.	The dicom data cannot be read correctly. The image is not stored.
Error	In %1: Derived image %2 cannot be created and prepared.	An internal error has occurred.	Please free resources on the system and try again.	For an exposure it is needed to create and prepare an image.
Error	In %1: Error while processing derived image %2.	An error with IPBE has occurred.	Re-start the application and try the whole image reading process again.	The error occurred while IPBE processed the original image and was creating the derived image.
Error	In %1: The UC6 State Machine is going to error state, %2.	An internal error has occurred.	None	State machine has gone into error state. Read the documentation for the possible reasons.
Error	In %1: The fatal error in UC6 state machine occurred, %2.	An internal error has occurred.	reboot the application	The logic of UC6 machine failed. Non-recoverable.
Error	In %1: The image has no values to change the size of cassette, %2.	Fuji Reader send bad image header.	None	The image which was read from the cassette is damaged.
Error	In %1: The UC3 State Machine is going to error state, %2.	An internal error has occurred.	None	State machine has gone into error state. Read the documentation for the possible reasons.
Error	In %1: The fatal error in UC3 state machine occurred, %2.	An internal error has occurred.	reboot the application	The logic of UC3 machine failed. Non-recoverable.

Severity	Message	Explanation	Action	Information
Warning	The Patient information sent by FCRBE differs from (%1) to (%2)	An internal error has occurred.	Please register a correct patient first and then try to develop cassette (re-output image)	DICOM tag for patient sent by FCRBE differs from those in AQW. Either choose another image with correct patient name or start new examination with patient which belongs to image being sent.
Error	There is no appropriate image in the system to perform re-output operation	An internal error has occurred.	Please restart the application	Default Information goes here
Informational	ACBE switched to ACM mode	Information	Information to the service technician	Use this information for debug purposes
Error	The initialization of ACBE registry object failed	An internal error has occurred.	Please correct the registry and resart the examination in AEC mode	The error can occur because of either possible crash of the system or incorrect installation of the software.
Error	IPBE communication error	An internal error has occurred.	Please restart the application..	IPBE module is not running. Check if all DLLs are in their place.
Error	Image reoutput in ACM mode is not allowed	An internal error has occurred.	Please exit ACM mode and repeat image reoutput	Wrong behaviour of the operator
Error	The cassette size differs from that sent by Fuji reader	An internal error has occurred.	Re-register cassette and re-output the image one more time	Default Information goes here
Error	Cassette cannot be developed in the reader unless an examination is in progress. Please, register a patient first.	An internal error has occurred.	Please register a patient and repeat the operation.	Default Information goes here
Error	FCRBE sent proxy with unknown id (%1)	An internal error has occurred.	Contact service technician	Default Information goes here
Error	The data from MBE came in wrong workflow state.	An internal error has occurred.	Call service technician	Default Information goes here
Error	Could not unlink cassette by ESS.	An internal error has occurred.	Call service technician	Default Information goes here
Error	No more images are allowed to be operated	An internal error has occurred.	Call service technician	Default Information goes here
Informational	User pressed cancel for the operation "%1"	An internal error has occurred.	Information, do nothing.	Default Information goes here

Severity	Message	Explanation	Action	Information
Error	Data for VIEWPOSITION sent by FCRBE cannot be parsed	An internal error has occurred.	Call service technician	Default Information goes here
Error	Cannot map barcode to image in ESS.	An internal error has occurred.	Expose and scan the cassette one more time.	Default Information goes here
Error	The image does not have laterality and/or view position attributes. Probably the corresponding cassette was not scanned for view barcode.	An internal error has occurred.	Take the cassette from the fuji reader, scan view barcode and try to develop it again	Default Information goes here
Error	Cannot map image to corresponding UC6 machine. Internal memory problem.	An internal error has occurred.	Call service technician	Default Information goes here
Error	ESS aborted the operation	An internal error has occurred.	Call service	Default Information goes here
Error	ACBE module got a request from FCRBE with ID3 without previous ID2 and ID1 ones. Probable "Forced End of examination" and "Register examination" commands were called while FCR5000 was sending image data.	The protocol between FCRBE and ACBE is not fulfilled. The sequence of ID proxies is ID1, ID2, ID3.	Do nothing. Continue working.	Default Information goes here

AQBE (Acquisition backend)

Severity	Message	Explanation	Action	Information
Warning	In %1: No Patient was registered for %2.	An action was triggered that requires a registered patient.	Please register a patient and retry your action.	For the action it is needed to have a patient registered.
Error	In %1: Unable to Display Image for Loid %2.	An internal error has occurred.	Please finish your current examination and try to reboot the system.	It was not possible to display an image.
Error	In %1: Unable to read configuration for %2.	An internal error has occurred.	Please call Siemens Service.	It was not possible to read the configuration from the registry.
Error	In %1: The View-Barcode for image %2 was not scanned.	The image was not exposed, meaning the View-Barcode has not been scanned for that image.	Please scan the View-Barcode for the image.	To expose an image, Cassette- and View-Barcodes have to be supplied for one image.
Error	In %1: The Cassette-Barcode for image %2 was not scanned.	The image was not exposed, meaning the Cassette-Barcode has not been scanned for that image.	Please scan the View-Barcode for the image.	To expose an image, Cassette- and View-Barcodes have to be supplied for one image.
Error	In %1: The Barcode %2 is not valid.	The scanned Barcode was not recognized as a valid Barcode.	Please scan a valid Barcode.	The scanned Barcode must be one of the View-Barcodes provided in the registry configuration or being composed of 8 characters and considered to be a cassette barcode.
Error	In %1: The Barcode %2 is already used on an image that has not yet been developed.	The image that used the barcode first has not yet been developed.	Please wait until the other image is developed.	One Cassette can only be reused when the image that was previously on it is fully developed.
Warning	In %1: The image for barcode %2 is the last image in this examination.	The specified amount of images for one examination has reached.	Nothing.	Due to the specification it is not possible to have more images.
Error	In %1: Image for barcode %2 exceeds the specified amount of images.	The specified amount of images for one examination has reached.	Please close the examination and continue in another examination.	Due to the specification it is not possible to have more images.
Error	In %1: The statemachine has gone into Error State %2.	An internal error has occurred.	None	The statemachine has gone into error state because an error was detected.

Severity	Message	Explanation	Action	Information
Error	In %1: The statema- chine has gone into Fatal Error State %2.	An internal error has occured.	Please try rebooting the system.	The statemachine has gone into fatal error state because an non recoverable error was detected.
Success	In %1: The statema- chine has left error state %2.	Error recovery has worked.	None	The error had been resolved.
Error	In %1: The cassette with barcode %2 is not registered.	The exposure was made with a cassette that has not been reg- istered into the system.	The operator can decide if he has scanned the correct cassette. If so, then the image can not be used, because the cassette is not known to the sys- tem.	A cassette can only be used, if it is correctly registered into the sys- tem.
Warning	In %1: The image for the not registered cas- sette with barcode %2 will be discarded.	The image that is on a not registered cassette cannot be used, because the cassette is not known to the sys- tem.	None.	All cassettes that will be used in the system must be correctly regis- tered.
Error	In %1: The cassette %2 was not exposed by mammomat.	The image was not exposed, meaning that is has to be exposed with the mammomat before a barcode can be applied to it.	Please expose the image with the mam- momat.	To apply the Cassette- and View-Barcodes on an image, it must first be exposed.
Error	The unloading of images using the Cap- Page backend failed.	When ending an exam- ination all images must be unloaded from the image viewing area (CapPage). This is done using the back- end. This has failed.	Restart the system and see if the problem per- sists.	Default Information goes here
Error	In %1: The Operator message text for ESS error %s cannot be found.	The operator message text for an ESS error can not be found.	Please try rebooting the system. If that does not help, please call service.	An error in ESS has occured, for which an operator message should be presented.

AQFE (Acquisition frontend)

Severity	Message	Explanation	Action	Information
Error	An error has been detected in the AQFE Cassette Model	An internal error has occurred.	Please call service	Default Information goes here

Common

Severity	Message	Explanation	Action	Information
Success	Operation succeeded	This indicates that everything is OK	None	None
Error	A contract violation of type %1!s! has occurred. Statement: %2!s!	This is an internal error of the Error Handling component. The Error Handling component is used for evaluating errors within applications.	None	None
Error	SE-exception occurred	This is an internal error of the Error Handling component. The Error Handling component is used for evaluating errors within applications.	None	None
Error	Memory allocation failure	This is an internal error of the Error Handling component. The Error Handling component is used for evaluating errors within applications.	None	None
Error	Unknown error	This is an internal error of the Error Handling component. The Error Handling component is used for evaluating errors within applications.	None	None
Error	An exception has been thrown (%1!s!)	This is an internal error of the Error Handling component. The Error Handling component is used for evaluating errors within applications.	None	None

Severity	Message	Explanation	Action	Information
Error	Windows error (code %1!s!)	This is an internal error of the Error Handling component. The Error Handling component is used for evaluating errors within applications.	None	None
Error	Unable to read configuration	This is an internal error of the Error Handling component. The Error Handling component is used for evaluating errors within applications.	None	None
Error	Can't determine location	This is an internal error of the Error Handling component. The Error Handling component is used for evaluating errors within applications.	None	None
Error	Caught exception from MedCom of type int (value=%1!s!)	This is an internal error of the Error Handling component. The Error Handling component is used for evaluating errors within applications.	None	None
Error	An error has occurred in MedCom (%1!s!)	This is an internal error of the Error Handling component. The Error Handling component is used for evaluating errors within applications.	None	None
Error	In %1: Unable to allocate %2	This is an internal error of the Error Handling component. The Error Handling component is used for evaluating errors within applications.	None	None
Error	In %1: Unable to dynamic cast %2 to %3	This is an internal error of the Error Handling component. The Error Handling component is used for evaluating errors within applications.	None	None

Severity	Message	Explanation	Action	Information
Error	In %1: The Pointer %2 is NULL	This is an internal error of the Error Handling component. The Error Handling component is used for evaluating errors within applications.	None	None
Error	In %1: Illegal state transition %2	This is an internal error of the Error Handling component. The Error Handling component is used for evaluating errors within applications.	None	None
Error	In %1: Unable to send Proxy %2	This is an internal error of the Error Handling component. The Error Handling component is used for evaluating errors within applications.	None	None
Error	In %1: Unable to Reply %2	This is an internal error of the Error Handling component. The Error Handling component is used for evaluating errors within applications.	None	None
Error	In %1: Unable to receive answer %2 within timeout %3 sec	This is an internal error of the Error Handling component. The Error Handling component is used for evaluating errors within applications.	None	None
Warning	In %1: Ignored state transition %2	This is an internal error of the Error Handling component. The Error Handling component is used for evaluating errors within applications.	None	None
Informational	State transition from %1 to %2	This is an internal error of the Error Handling component. The Error Handling component is used for evaluating errors within applications.	None	None

Severity	Message	Explanation	Action	Information
Error	There was an unknown error during error handling	This is an internal error of the Error Handling component. The Error Handling component is used for evaluating errors within applications.	None	None
Warning	In %1: Caught Exception type %2.	This is an internal information of the Error Handling component. The Error Handling component is used for evaluating errors within applications.	None	Information about the kind of error and where it was caught.
Error	In %1: Unable to get the Request-Id from ESS for %2.	This is an internal error of the Error Handling component. The Error Handling component is used for evaluating errors within applications.	Please try rebooting the system.	It was not possible to send a command to ESS.
Error	In %1: Unable to set the callback in ESS for %2.	This is an internal error of the Error Handling component. The Error Handling component is used for evaluating errors within applications.	Please try rebooting the system.	It was not possible to set a callback in ESS.
Error	In %1: The action in ESS was aborted: %2.	This is an internal error of the Error Handling component. The Error Handling component is used for evaluating errors within applications.	Please try rebooting the system.	An action in ESS could not be finished successful.
Error	In %1: Unable to read configuration for %2.	An internal error has occurred.	Please call Siemens Service.	It was not possible to read the configuration from the registry.
Error	In %1: The View-Name for %2 has incorrect value.	An internal error has occurred.	Please call Siemens Service.	The View-Barcode cannot be read from the registry.
Error	In %1: The Lengths of Cassette-Barcode and View-Barcode must differ %2	An internal error has occurred.	Please call Syngo Service.	In Order to recognize the different types of Barcodes, it is needed that they differ in size.
Error	In %1: Unable to read the Barcode-Length from Registry %2	An internal error has occurred.	Please call Siemens Service.	The length of the barcodes cannot be read from registry.

ESC (Examination session server client)

Severity	Message	Explanation	Action	Information
Error	Initialization failed.	This is message from FFDM CR Examination Session Client application/utility level.	None	None

ESE (Examination session errors)

Severity	Message	Explanation	Action	Information
Warning	Only partial load of database recovery information is available for registered cassettes. %1 retries done. What would you like to do: Dump information about registered cassettes or Retry load information about registered cassettes or Accept loaded information?	This is message from FFDM CR Examination Session Server	None	None
Warning	Only partial load of database recovery information is available for examination. %1 retries done. What would you like to do: Dump information about examination or Retry load information about examination or Accept loaded information?	This is message from FFDM CR Examination Session Server	None	None
Error	Database recovery failed due to lock or database problem of registered cassettes. %1 retries done. What would you like to do: Dump information about registered cassettes or Retry load information about registered cassettes?	This is message from FFDM CR Examination Session Server	None	None

Severity	Message	Explanation	Action	Information
Success	No errors	This is message from FFDM CR Examination Session Server	None	None
Informational	Protocol error	This is message from FFDM CR Examination Session Server	None	None
Informational	DST	This is message from FFDM CR Examination Session Server	None	None
Informational	STD	This is message from FFDM CR Examination Session Server	None	None
Informational	Cassette with this bar-code already exists.	This is message from FFDM CR Examination Session Server	None	None
Informational	Internal error in the Examination Session Server component.	This is message from FFDM CR Examination Session Server	None	None
Informational	Barcode for cassette is empty.	This is message from FFDM CR Examination Session Server	None	None
Informational	Rows or collimns for cassette size is less 64.	This is message from FFDM CR Examination Session Server	None	None
Informational	Aspect ratio of columns/rows for cassette is greater 4.	This is message from FFDM CR Examination Session Server	None	None
Informational	Aspect ratio of columns/rows for cassette is less 0.25.	This is message from FFDM CR Examination Session Server	None	None
Informational	Cassette is used by image.	This is message from FFDM CR Examination Session Server	None	None
Informational	Cassette size (rows*columns) is exceeded.	This is message from FFDM CR Examination Session Server	None	None
Informational	Plate is used by another cassette.	This is message from FFDM CR Examination Session Server	None	None
Informational	Last exposure time stamp for plate does not comply with DICOM specifications.	This is message from FFDM CR Examination Session Server	None	None
Informational	Database not loaded successful.	This is message from FFDM CR Examination Session Server	None	None

Severity	Message	Explanation	Action	Information
Informational	Examination of patient is closing.	This is message from FFDM CR Examination Session Server	None	None
Informational	Cassette with this bar-code does not exist.	This is message from FFDM CR Examination Session Server	None	None
Informational	Workflow state of original image greater exposed.	This is message from FFDM CR Examination Session Server	None	None
Informational	Workflow state of original image greater developed.	This is message from FFDM CR Examination Session Server	None	None
Informational	Cassette without plate.	This is message from FFDM CR Examination Session Server	None	None
Informational	Image is committing into database.	This is message from FFDM CR Examination Session Server	None	None
Informational	Workflow state of derived image is not blank.	This is message from FFDM CR Examination Session Server	None	None
Informational	Incorrect laterality value.	This is message from FFDM CR Examination Session Server	None	None
Informational	Incorrect view position value.	This is message from FFDM CR Examination Session Server	None	None
Warning	Problems communication to patient registration UI component.	This is message from FFDM CR Examination Session Server	None	None
Informational	Workflow state of original image is not blank.	This is message from FFDM CR Examination Session Server	None	None
Informational	Image does not ready for database operations.	This is message from FFDM CR Examination Session Server	None	None
Informational	Workflow state of original image is not pre-exposure.	This is message from FFDM CR Examination Session Server	None	None
Informational	Incorrect anode target material value.	This is message from FFDM CR Examination Session Server	None	None
Informational	Incorrect filter material value.	This is message from FFDM CR Examination Session Server	None	None

Severity	Message	Explanation	Action	Information
Informational	Acquisition time stamp does not comply with DICOM specifications.	This is message from FFDM CR Examination Session Server	None	None
Informational	Table Id does not exist in the syngo registry.	This is message from FFDM CR Examination Session Server	None	None
Informational	Workflow state of original image is not exposed.	This is message from FFDM CR Examination Session Server	None	None
Informational	Cassette does not set for this original image.	This is message from FFDM CR Examination Session Server	None	None
Informational	Incorrect study reason.	This is message from FFDM CR Examination Session Server	None	None
Informational	CsaStudy does not exists in the database.	This is message from FFDM CR Examination Session Server	None	None
Informational	Job already active.	This is message from FFDM CR Examination Session Server	None	None
Informational	Workflow state of original image is not blank or is not finished.	This is message from FFDM CR Examination Session Server	None	None
Informational	CsaStudy is locked for writing by another application.	This is message from FFDM CR Examination Session Server	None	None
Informational	ESS shutdown process is active.	This is message from FFDM CR Examination Session Server	None	None
Informational	CsaPatient locking problems.	This is message from FFDM CR Examination Session Server	None	None
Informational	Image does not have active committer.	This is message from FFDM CR Examination Session Server	None	None
Informational	Incorrect study priority.	This is message from FFDM CR Examination Session Server	None	None
Informational	Image has active committer.	This is message from FFDM CR Examination Session Server	None	None
Informational	Csalmage already exists in the database.	This is message from FFDM CR Examination Session Server	None	None

Severity	Message	Explanation	Action	Information
Informational	Original image does not have shared memory and Csalmage.	This is message from FFDM CR Examination Session Server	None	None
Informational	Committer for database operations already exists.	This is message from FFDM CR Examination Session Server	None	None
Informational	Csalmage does not exist in original image.	This is message from FFDM CR Examination Session Server	None	None
Informational	Pixel data loading is active.	This is message from FFDM CR Examination Session Server	None	None
Informational	Csalmage locking problems.	This is message from FFDM CR Examination Session Server	None	None
Informational	Same images not deleted.	This is message from FFDM CR Examination Session Server	None	None
Warning	CsaSeries is locked for writing by another application.	This is message from FFDM CR Examination Session Server	None	None
Warning	Out of resources.	This is message from FFDM CR Examination Session Server	None	None
Informational	Incorrect laterality and projection view!.	This is message from FFDM CR Examination Session Server	None	None
Informational	Workflow state of original image is not developed.	This is message from FFDM CR Examination Session Server	None	None
Informational	Job for riason or priority are active.	This is message from FFDM CR Examination Session Server	None	None
Informational	Completed state does not sets for all objects (study/series/images).	This is message from FFDM CR Examination Session Server	None	None
Informational	Incorrect calibratuion value.	This is message from FFDM CR Examination Session Server	None	None

Severity	Message	Explanation	Action	Information
Informational	The patient is not service.	This is message from FFDM CR Examination Session Server	None	None
Informational	Workflow state of original image is finished.	This is message from FFDM CR Examination Session Server	None	None
Informational	Workflow state of original image is blank.	This is message from FFDM CR Examination Session Server	None	None

ESS (Examination session server)

Severity	Message	Explanation	Action	Information
Error	Initialization failed.	This is message from FFDM CR Examination Session Server application/utility level.	None	None

FCRBE (Image reader)

Severity	Message	Explanation	Action	Information
Error	Failure to initialise communications (when bypassing the Merge environment variable).	When the ffdmcr software gets an image from a cassette it temporarily swaps syngo's Merge Toolkit for one configured to handle the FCR5000. This involves temporarily replacing the environment variable MERGE_INI with the contents of FFDMCR_MERGE_INI. After the image has been taken the value of MERGE_INI is put back to its original value.	Check that the environment strings MERGE_INI and FFDMCR_MERGE_INI are defined in the Control Panel. Check that MERGE_INI points to syngo's Merge Toolkit and that FFDMCR_MERGE_INI points to ffdmcr's Merge Toolkit. Look in the error log for FCRBE to get the Merge Toolkit error code(mcStatus) for the Merge function 'MC_Set_MergeINI'.	None.
Error	Failure to initialise communications (when opening the Merge library).	The Merge Toolkit call MC_Library_Initialization has failed to open the Merge Library.	Look in the error log for FCRBE to get the Merge Toolkit error code to try and determine the reason for the error (most likely a configuration error in the Merge Toolkit).	None.
Error	Failure to initialise communications (when registering the application with Merge).	The Merge Toolkit call MC_Register_Application has failed to register the ffdmcr application with the Merge Library.	Look in the error log for FCRBE to get the Merge Toolkit error code to try and determine the reason for the error (most likely a configuration error in the Merge Toolkit).	None.

Severity	Message	Explanation	Action	Information
Error	Unknown host connected. The FCR5000 could not be located.	The Merge Toolkit function MC_Wait_For_Association has detected an unknown host.	Check the windows file 'hosts' under the WinNT directory to see that it contains the IP address of the FCR5000. Also look in the error log for FCRBE to get the Merge Toolkit error code to try and determine the reason for the error (most likely a configuration error in the Merge Toolkit).	None.
Error	DICOM negotiation aborted.	The Merge Toolkit function MC_Wait_For_Association has failed to establish a DICOM association with the FCR5000.	Look in the error log for FCRBE to get the Merge Toolkit error code to try and determine the reason for the error (most likely a configuration error in the Merge Toolkit).	None.
Error	Unspecified communications error (detected by Merge).	An unknown error has occurred in the Merge Toolkit.	Look in the error log for FCRBE to get the Merge Toolkit error code to try and determine the reason for the error (most likely a configuration error in the Merge Toolkit).	None.
Error	Version 1.1 of WinSock is missing.	The program checked for version 1.1 of WinSock but could not find it.	Examine Winsock on the WinNT directory. A reinstallation of Win2000 may be necessary.	None.
Error	Error creating socket for FINP communications.	A socket could not be created for communicating with the FCR5000. The Windows function 'socket' has failed.	Reinstall the ffdmcr software. If a problem still occurs then reinstall the Win2000 operating system.	None.
Error	Error binding socket for FINP communications.	A socket could not be bound to be connection in an attempt to communicate with the FCR5000. The Windows function 'bind' has failed.	Reinstall the ffdmcr software. If a problem still occurs then reinstall the Win2000 operating system.	None.

Severity	Message	Explanation	Action	Information
Error	Error starting to listen on socket for FINP communications.	A socket could not be bound to be connection when attempting to communicate with the FCR5000. The Windows function 'listen' has failed.	Reinstall the ffdmcr software. If a problem still occurs then reinstall the Win2000 operating system.	None.
Error	Error setting socket in non-blocking mode (FINP communications).	The socket used for communicating with the FCR5000 could not be set in non-blocking mode. The windows function 'ioctlsocket' has failed.	Look in the error log for FCRBE to get the error code for 'ioctlsocket' to try and determine the reason for the error. The error code listed there should be found in the Windows header file 'Winsock.h'.	None.
Error	Unexpected application identifier during DICOM association.	An unexpected application identifier was received while waiting for a DICOM association with the FCR5000.	Look in the error log for FCRBE to get the Merge Toolkit error code to try and determine the reason for the error. Try reinstalling the ffdmcr software.	None.
Error	Error when accepting DICOM association.	An error has occurred when the AWS attempted to accept a DICOM association with the FCR5000.	Look in the error log for FCRBE to get the Merge Toolkit error code to try and determine the reason for the error (most likely a configuration error in the Merge Toolkit).	None.
Error	Error when getting image data from the reader.	An unexpected communications event has occurred while the AWS was waiting to establish a DICOM association with the FCR5000.	Look in the error log for FCRBE to get the Merge Toolkit error code to try and determine the reason for the error.	None.
Error	Error extracting DICOM information from image header.	The ffdmcr software was not able to extract DICOM information from the image header sent from the FCR5000.	Look in the error log for FCRBE to determine which DICOM tag was missing. The number of the missing tag should be listed (in decimal, convert to ggggeeee in hexadecimal).	None.

Severity	Message	Explanation	Action	Information
Error	Error opening message sent from reader.	A DICOM stream message sent from the FCR5000 could not be opened by the AWS. The Merge function 'MC_Open_Message' has returned the error.	Look in the error log for FCRBE to determine the error code (mcStatus) describing the reason for the failure.	None.
Error	Error sending response to reader.	The Merge function 'MC_Send_Response_Message' has returned an error when sending data from the AWS to the FCR5000.	Look in the error log for FCRBE to determine the error code (mcStatus) describing the reason for the failure.	None.
Error	Error freeing reader message.	An error has occurred while freeing the message sent from the FCR5000 to the AWS. The error has occurred while calling the Merge function 'MC_Free_Message'.	Look in the error log for FCRBE to determine the error code (mcStatus) describing the reason for the failure.	None.
Error	Error allocating memory for image pixels.	An error has occurred while allocating memory in which to store the pixels sent from the FCR5000 to the AWS.	Try restarting the AWS.	None.
Error	Error waiting on socket when calling Accept (FINP).	An error has occurred while calling the Window socket function 'accept'. This function permits an incoming connection attempt on a socket.	Look in the error log for FCRBE to get the error code for 'accept' to try and determine the reason for the error. The error code listed there should be found in the Windows header file 'Winsock.h'.	None.
Error	Error reading from socket when calling Recv (FINP).	An error has occurred while calling the Window socket function 'recv'. This function receives data from a connected socket.	Look in the error log for FCRBE to get the error code for 'recv' to try and determine the reason for the error. The error code listed there should be found in the Windows header file 'Winsock.h'.	None.

Severity	Message	Explanation	Action	Information
Error	Timeout waiting the cassette readout to finish. The cassette may have got stuck in the reader or communications may have been lost while reading the cassette.	There was a timeout while waiting for the 'DeleteID' (end of cassette readout signal) having previously received 'QueryID' (start of cassette readout signal). The most likely cause is a loss of communications between the AWS and the FCR5000. This error could also be caused by a cassette getting stuck in the FCR5000.	Check that the cassette has not get stuck and that there is still communications between the AWS and the FCR5000 (try pinging the FCR5000 from the AWS and vice versa).	None.
Error	FINP protocol error from reader in no. of groups (should be 1 or 2).	There has been a FINP protocol error between the FCR5000 and the AWS. This has occurred when the AWS has been receiving data sent from the FCR5000.	Try restarting the FCR5000. If that does not solve the problem then try restarting both the FCR5000 and the AWS.	None.
Error	Unrecognised command sent from the cassette reader.	Illegal command sent from the FCR5000 via FINP protocol. Only QueryID or DeleteID allowed.	Try restarting the FCR5000. If that does not solve the problem then try restarting both the FCR5000 and the AWS.	None.
Error	Error sending on socket to FCR5000.	An error has occurred while attempting to send data to the FCR5000. The has been detected from the Windows function 'send'.	Look in the error log for FCRBE to get the error code for 'send' to try and determine the reason for the error. The error code listed there should be found in the Windows header file 'Winsock.h'.	None.

Severity	Message	Explanation	Action	Information
Error	Cannot update default DICOM information with information from ACBE.	An error has occurred while trying to add patient DICOM information to the default DICOM information that is to be sent to the FCR5000.	First try restarting the FCR5000 and the AWS. Check that the environment strings MERGE_INI and FFDMCR_MERGE_INI are defined in the Control Panel. Check that MERGE_INI points to syngo's Merge Toolkit and that FFDMCR_MERGE_INI points to ffdmcr's Merge Toolkit. Send the file containing the FCR5000's default DICOM information ('id_info.bin') to the software group for validation.	None.
Error	Error reading image processing information used by FCR5000 from the registry.	The image processing information that is sent to the FCR5000 as it starts reading a cassette could not be located or was of an incorrect format.	The registry key for FCRBE might be missing from the registry. Check registry HKEY_LOCAL_MACHINE\Software\Siemens\syngo\components Try reinstalling the AWS software.	None.
Error	The file containing default DICOM information for the FCR5000 is missing.	The file 'id_info.bin' containing default DICOM information for the FCR5000 is missing could not be found. This should have been placed on the directory \syngo\config\merge by the installation program.	Search for the file 'id_info.bin' on the directory named above.	None.

Severity	Message	Explanation	Action	Information
Error	An illegal view has been supplied when attempting to retrieve the FCR5000 image processing information from the registry.	The projection view is used as a key when retrieving the image processing parameters that are to be sent to the FCR5000. The first letter in the view. 'L' for left, 'R' for right, or 'A' for AEC is used to locate the image processing parameters associated with that view. This could not be done because the view does not start with the correct prefix.	Try reinstalling the AWS software.	None.
Error	Error allocating memory for updating DICOM information before sending it to the FCR5000.	An error has occurred while trying to allocate memory. This memory is used to build the DICOM information that is to be sent to the FCR5000 when it starts reading a cassette.	Try restarting the AWS software. If this does not help then try reinstalling the AWS software.	None.
Error	DICOM data sent from the FCR5000 in the image header does not match the patient DICOM information sent to the reader at the start of cassette readout.	The AWS software compares the data sent in the image header from the FCR5000 with that which was sent to the FCR5000 when the cassette is inserted in the reader. The comparison has failed. The data that is currently compared is the patient name, the patient ID and the patient's date of birth.	Try restarting the FCR5000 and the AWS.	None.
Error	Timeout between end of cassette readout and establishment of a DICOM association.	The software expects that the AWS will establish a DICOM association with the FCR5000 within a given time of the 'end of cassette' signal being received. This time has expired and the cause is most likely to be a loss of communications after the cassette has been read.	Check the cable between the AWS and the FCR5000. If this seems ok then restart the FCR5000 and the AWS.	None.

Severity	Message	Explanation	Action	Information
Error	Error un-registering application with the Merge Library.	After the image has been retrieved from the FCR5000 the ffdmcr application is un-registered with the Merge toolkit. An error has occurred in this process.	Try restarting the AWS. If the problem still occurs then try re-installing the AWS software.	None.
Error	Error releasing the Merge Library.	After the image has been retrieved from the FCR5000 the Merge library is closed. An error has occurred in this process.	Try restarting the AWS. If the problem still occurs then try re-installing the AWS software.	None.
Error	Error calling %1, error-code %2 - use Win-Sock.h to interpret.	Error message not used.	Error message not used.	None.
Error	Unable to find registry information for %1 : %2.	A general error message that is used when a registry tag can not be found. %1 is the registry group that is being searched and %2 is the registry tag that the software is trying to locate in this group.	The registry key for FCRBE might be missing from the registry. Check registry HKEY_LOCAL_MACHINE\Software\Siemens\syngo\components. Try reinstalling the AWS software.	None.
Error	Could not create output file for DICOM data.	The program creates a debug file for output of DICOM data that is to be sent to the FCR5000 (binary_out.bin). This file could not be created probably because the disk was full.	Check that the disk is not full.	None.
Error	Error closing shared memory.	An internal error has occurred.	Please consult the online API documentation for information on correct usage of the interfaces.	None.
Error	Null pointer from shared memory following a call to IMcrEsSharedMemory::Create(sharedMemoryAddress).	Internal programming error. The call to create shared memory for receiving the image has returned a null pointer.	Restarting the software should result in the freeing of memory which will probably mean that the system will operate normally.	None.

Severity	Message	Explanation	Action	Information
Error	Internal programming error. Error accessing shared memory by using the barcode as a key.	Internal programming error. The cassette barcode could not be matched to an already allocated shared memory address.	Restarting the software should bypass this problem. Investigate how many cassettes the operator has been using during the examination and check that the cassettes were all registered.	None.
Error	It was not possible to extract the barcode from the DICOM header sent from the cassette reader in the image header.	Possible internal programming error. The cassette barcode should be sent from the reader in the image header, but for some reason it is missing.	Try restarting the reader and the AWS software to solve the problem.	None.
Error	Error opening shared memory in pixel callback method.	Internal programming error. Shared memory could not be opened in the callback method when the first block of image pixels is received.	Try restarting the AWS software to free up memory. Too little free memory might have caused the Open shared memory method to fail.	None.
Error	The barcode of the cassette inserted in the reader has not been scanned with the barcode reader. Remove the cassette and scan the barcode.	The barcode of the cassette inserted in the reader has not been scanned by the operator using the barcode reader.	The cassette needs to be removed from the reader and its barcode should be scanned using the barcode reader.	None.
Error	Shared memory could not be obtained for the image	The shared memory that should be associated with this image's barcode could not be found. The image's barcode is extracted from the image header. This is then matched against a table of barcodes and shared memory addresses.	This is an internal software error. Try restarting the software.	None.

IPBE (Image processing)

Severity	Message	Explanation	Action	Information
Error	Failed to initialize COM library or to create smart COM pointer. Returned HRESULT: %1	An internal error has occurred.	Please consult the online API documentation for information on correct usage of the interfaces.	None.
Error	A COM error was reported. Reason: %1.	An internal error has occurred.	Please consult the online API documentation for information on correct usage of the interfaces.	None.
Error	An error was encountered when attempting to set property of Fuji COM object.	An internal error has occurred.	Please consult the online API documentation for information on correct usage of the interfaces.	None.
Error	Call to RunWithParams method of COM object failed. Reason: %1.	An internal error has occurred.	Please consult the online API documentation for information on correct usage of the interfaces.	None.
Error	Illegal or unsupported image quantities such as width, height or pixel depth were passed to this method. Failing parameter: %1.	An internal error has occurred.	Please consult the online API documentation for information on correct usage of the interfaces.	None.
Error	An error was encountered when reading image processing parameters from the Windows registry. Reason: %1	An internal error has occurred.	Please consult the online API documentation for information on correct usage of the interfaces.	None.
Error	The following registry parameter is missing: %1. The parameter is needed for the proper function of image processing.	An internal error has occurred.	Please consult the online API documentation for information on correct usage of the interfaces.	None.
Error	Too many values were found for the following parameter: %1.	An internal error has occurred.	Please consult the online API documentation for information on correct usage of the interfaces.	None.

Severity	Message	Explanation	Action	Information
Error	The following registry parameter has an illegal value: %1.	An internal error has occurred.	Please consult the online API documentation for information on correct usage of the interfaces.	None.
Error	The following mean value was obtained: %1.	<p>The first value is the pixel mean value measured over the AEC area.</p> <p>The second value is the suggested correction in units if 1/8 exposure steps.</p>	N/A.	N/A.
Error	Calibration failed. Please see application event log for details.	Aec measurement failed due to internal error . Restart computer and try again. If the problem persists, please contact service department.	Please consult the online API documentation for information on correct usage of the interfaces.	Default Information goes here

MBE (MAMMOMAT backend)

Severity	Message	Explanation	Action	Information
Error	A system error has occurred while starting MBE.	A system error has occurred in MBE.	None	None
Warning	MBE received an error message from the Mammomat. Error code = %1.	An error has occurred in the Mammomat and the AWS has received that error code.	Check the Mammomat control panel and check if it is possible to solve the problem.	None
Error	MBE failed to communicate with the M3000.	MBE has either got a NAK or a TIMEOUT while trying to send a message to the M3000.	Check the M3000 control panel if any error has been reported.	None
Error	MBE has lost contact with the M3000. %1	MBE has detected that contact is broken with the M3000.	Check the cable between the AWS and the M3000 or if the M3000 is on.	None
Error	Got an invalid message from the M3000. The invalid message = %1	The MBE has received a message from the M3000 that it cannot interpret.	Check the state of the M3000.	None

Service messages displayed on the AWS screen

Severity	Message	Explanation	Action	Information
Informational	The following mean value was obtained: %1.	This is an error message presented to the operator. It is normally not sent to the eventlog.	The action is normally to call a service technician. The Technician in his turn will find relevant information in the eventlog.	None.
Warning	You are trying to re-output an image in AEC mode, which is not allowed. Please, exit AEC mode and repeat the operation.	This is an error message presented to the operator. It is normally not sent to the eventlog.	The action is normally to call a service technician. The Technician in his turn will find relevant information in the eventlog.	None.
Error	Calibration failed.	This is an error message presented to the operator. It is normally not sent to the eventlog.	The action is normally to call a service technician. The Technician in his turn will find relevant information in the eventlog.	None.

Operator messages displayed on the AWS screen

Severity	Message	Explanation	Action	Information
Informational	Diskspace for %1 exposures available.	This is an error message presented to the operator. It is normally not sent to the eventlog.	The action is normally to call a service technician. The Technician in his turn will find relevant information in the eventlog.	None.
Informational	Press OK to continue re-output of image for %1. Press Cancel to cancel this operation.	This is an error message presented to the operator. It is normally not sent to the eventlog.	The action is normally to call a service technician. The Technician in his turn will find relevant information in the eventlog.	None.
Informational	The acquisition workstation has recovered an incomplete examination. There is %1 image in the system for which barcodes were not completely scanned (%2 / %3 was scanned). Develop the cassettes with the following barcodes: %4. There is %5 image that has to be re-output.	This is an error message presented to the operator. It is normally not sent to the eventlog.	The action is normally to call a service technician. The Technician in his turn will find relevant information in the eventlog.	None.
Informational	Do you want to change size of the selected cassette?	This is an error message presented to the operator. It is normally not sent to the eventlog.	The action is normally to call a service technician. The Technician in his turn will find relevant information in the eventlog.	None.
Informational	The cassette is already registered! Please select a new cassette ID.	This is an error message presented to the operator. It is normally not sent to the eventlog.	The action is normally to call a service technician. The Technician in his turn will find relevant information in the eventlog.	None.
Informational	The imaging plate is already registered, do you want to move the imaging plate to the new cassette?	This is an error message presented to the operator. It is normally not sent to the eventlog.	The action is normally to call a service technician. The Technician in his turn will find relevant information in the eventlog.	None.

Severity	Message	Explanation	Action	Information
Informational	Do you want to register the new imaging plate in the selected cassette?	This is an error message presented to the operator. It is normally not sent to the eventlog.	The action is normally to call a service technician. The Technician in his turn will find relevant information in the eventlog.	None.
Informational	Do you want to change size of the selected cassette and register the new imaging plate in it?	This is an error message presented to the operator. It is normally not sent to the eventlog.	The action is normally to call a service technician. The Technician in his turn will find relevant information in the eventlog.	None.
Informational	The imaging plate is already registered, do you want to move the imaging plate to the selected cassette?	This is an error message presented to the operator. It is normally not sent to the eventlog.	The action is normally to call a service technician. The Technician in his turn will find relevant information in the eventlog.	None.
Informational	The imaging plate is already registered, do you want to move the imaging plate and change the size of the selected cassette?	This is an error message presented to the operator. It is normally not sent to the eventlog.	The action is normally to call a service technician. The Technician in his turn will find relevant information in the eventlog.	None.
Informational	Do you want to delete the selected cassette?	This is an error message presented to the operator. It is normally not sent to the eventlog.	The action is normally to call a service technician. The Technician in his turn will find relevant information in the eventlog.	None.
Informational	Do you really want to perform a forced end of examination?	This is an error message presented to the operator. It is normally not sent to the eventlog.	The action is normally to call a service technician. The Technician in his turn will find relevant information in the eventlog.	None.
Warning	This is the last exposure that is allowed for the current examination.	This is an error message presented to the operator. It is normally not sent to the eventlog.	The action is normally to call a service technician. The Technician in his turn will find relevant information in the eventlog.	None.

Severity	Message	Explanation	Action	Information
Warning	No contact with the MAMMOMAT. It is not possible to make any exposures in an examination until contact is reestablished. Please check that the MAMMOMAT is started and connected to the acquisition workstation. If the problem is reported again after doing this, please call service.	This is an error message presented to the operator. It is normally not sent to the eventlog.	The action is normally to call a service technician. The Technician in his turn will find relevant information in the eventlog.	None.
Warning	Database information for registered cassettes only partially loaded. %1 retries done. Press Retry for additional retries. Press Cancel to accept the partial information. The rest of the information for registered cassettes will be lost. After start, use Cassette Administration to verify present situation.	This is an error message presented to the operator. It is normally not sent to the eventlog.	The action is normally to call a service technician. The Technician in his turn will find relevant information in the eventlog.	None.
Warning	Database information for examinations only partially loaded. %1 retries done. Press Retry for additional retries. Press Cancel to accept the partial information. The rest of the information for examinations will be lost. After start, use Patient Browser to verify present situation.	This is an error message presented to the operator. It is normally not sent to the eventlog.	The action is normally to call a service technician. The Technician in his turn will find relevant information in the eventlog.	None.

Severity	Message	Explanation	Action	Information
Error	An error has occurred that cannot be automatically resolved. Write down your observations and perform a restart of the acquisition workstation. If the problem persists then call service.	This is an error message presented to the operator. It is normally not sent to the eventlog.	The action is normally to call a service technician. The Technician in his turn will find relevant information in the eventlog.	None.
Error	Error opening communications with the image reader. Restart the image reader and the acquisition workstation. If the problem persists then call service.	This is an error message presented to the operator. It is normally not sent to the eventlog.	The action is normally to call a service technician. The Technician in his turn will find relevant information in the eventlog.	None.
Error	Error while communicating with the image reader. Restart the acquisition workstation. If the problem persists then call service.	This is an error message presented to the operator. It is normally not sent to the eventlog.	The action is normally to call a service technician. The Technician in his turn will find relevant information in the eventlog.	None.
Error	Error receiving image from the image reader. Check that the image reader is connected to the acquisition workstation and then accept this message to retry communications. If the problem persists then try restarting the image reader and the acquisition workstation before calling service.	This is an error message presented to the operator. It is normally not sent to the eventlog.	The action is normally to call a service technician. The Technician in his turn will find relevant information in the eventlog.	None.
Error	Error receiving image from the image reader. Check that the image reader is connected to the acquisition workstation. If the problem persists then try restarting the image reader and the acquisition workstation before calling service.	This is an error message presented to the operator. It is normally not sent to the eventlog.	The action is normally to call a service technician. The Technician in his turn will find relevant information in the eventlog.	None.

Severity	Message	Explanation	Action	Information
Error	Error sending data to the image reader. Check that the image reader is connected to the acquisition workstation.. If the problem persists then try restarting the image reader and the acquisition workstation before calling service.	This is an error message presented to the operator. It is normally not sent to the eventlog.	The action is normally to call a service technician. The Technician in his turn will find relevant information in the eventlog.	None.
Error	Error reading out cassette. Check that the image reader is still connected to the acquisition workstation and that the cassette has not got stuck then accept this message to retry communications. If the problem persists then call service.	This is an error message presented to the operator. It is normally not sent to the eventlog.	The action is normally to call a service technician. The Technician in his turn will find relevant information in the eventlog.	None.
Error	Mismatch in image data sent from image reader as compared to information for the current patient. The image will be rejected and it will not be possible to the current examination. Please call service.	This is an error message presented to the operator. It is normally not sent to the eventlog.	The action is normally to call a service technician. The Technician in his turn will find relevant information in the eventlog.	None.
Error	Error closing communications with the image reader. Restart the image reader and the acquisition workstation. If the problem persists then call service.	This is an error message presented to the operator. It is normally not sent to the eventlog.	The action is normally to call a service technician. The Technician in his turn will find relevant information in the eventlog.	None.
Error	Error in the configuration of the acquisition workstation. Call service.	This is an error message presented to the operator. It is normally not sent to the eventlog.	The action is normally to call a service technician. The Technician in his turn will find relevant information in the eventlog.	None.
Error	The last action is not allowed in the current system state. Please apply the needed preconditions first.	This is an error message presented to the operator. It is normally not sent to the eventlog.	The action is normally to call a service technician. The Technician in his turn will find relevant information in the eventlog.	None.

Severity	Message	Explanation	Action	Information
Error	Error during internal communication. Please retry your last action. If this does not work, restart the acquisition workstation. If the problem persists then call service.	This is an error message presented to the operator. It is normally not sent to the eventlog.	The action is normally to call a service technician. The Technician in his turn will find relevant information in the eventlog.	None.
Error	The image processing could not complete. The processed image cannot be stored on the harddisk. Please end current examination and reboot the acquisition workstation. Later start an examination and retake the image. If this does not work, please call service.	This is an error message presented to the operator. It is normally not sent to the eventlog.	The action is normally to call a service technician. The Technician in his turn will find relevant information in the eventlog.	None.
Error	Diskspace for %1 exposures available.	This is an error message presented to the operator. It is normally not sent to the eventlog.	The action is normally to call a service technician. The Technician in his turn will find relevant information in the eventlog.	None.
Error	Diskspace for only %1 exposures available. Please use Patient Browser to archive and delete images.	This is an error message presented to the operator. It is normally not sent to the eventlog.	The action is normally to call a service technician. The Technician in his turn will find relevant information in the eventlog.	None.
Error	Scanning a barcode is currently not allowed. Please register a patient first.	This is an error message presented to the operator. It is normally not sent to the eventlog.	The action is normally to call a service technician. The Technician in his turn will find relevant information in the eventlog.	None.
Error	The selected cassette cannot be reused until the image that was on it has been transferred from the image reader. Wait until the image has been displayed at the acquisition workstation.	This is an error message presented to the operator. It is normally not sent to the eventlog.	The action is normally to call a service technician. The Technician in his turn will find relevant information in the eventlog.	None.

Severity	Message	Explanation	Action	Information
Error	The cassette inserted in the image reader has not had its barcode scanned after exposure. Go to the image reader, select UNLOAD CASS and then scan its barcode before inserting the cassette into the reader.	This is an error message presented to the operator. It is normally not sent to the eventlog.	The action is normally to call a service technician. The Technician in his turn will find relevant information in the eventlog.	None.
Error	The scanned barcode is not recognized as a valid barcode.	This is an error message presented to the operator. It is normally not sent to the eventlog.	The action is normally to call a service technician. The Technician in his turn will find relevant information in the eventlog.	None.
Error	Unable to display the current image. Please finish your current examination and then restart the acquisition workstation. If the problem persists after the restart, call service.	This is an error message presented to the operator. It is normally not sent to the eventlog.	The action is normally to call a service technician. The Technician in his turn will find relevant information in the eventlog.	None.
Error	The cassette inserted in the image reader has not had a view barcode scanned after exposure. Go to the image reader, select UNLOAD CASS and then scan a view barcode before inserting the cassette into the reader.	This is an error message presented to the operator. It is normally not sent to the eventlog.	The action is normally to call a service technician. The Technician in his turn will find relevant information in the eventlog.	None.
Error	You have already scanned a view barcode for the current cassette. Scan the cassette barcode in order to continue.	This is an error message presented to the operator. It is normally not sent to the eventlog.	The action is normally to call a service technician. The Technician in his turn will find relevant information in the eventlog.	None.
Error	You have already scanned the barcode of the current cassette. Scan a view barcode in order to continue.	This is an error message presented to the operator. It is normally not sent to the eventlog.	The action is normally to call a service technician. The Technician in his turn will find relevant information in the eventlog.	None.

Severity	Message	Explanation	Action	Information
Error	Communication error during data transfer of image data. The image cannot be stored on the harddisk. Please end current examination and reboot the aquisition workstation. Later start an examination an retake the image. If this does not work, please call service.	This is an error message presented to the operator. It is normally not sent to the eventlog.	The action is normally to call a service technician. The Technician in his turn will find relevant information in the eventlog.	None.
Error	No more exposures allowed for the current examination. To develop this cassette this examination has to be ended and a new examination started.	This is an error message presented to the operator. It is normally not sent to the eventlog.	The action is normally to call a service technician. The Technician in his turn will find relevant information in the eventlog.	None.
Error	Logoff/shutdown cannot proceed due to the following reasons: The session cannot be ended since there is still an examination in progress. Please end the examination before trying to end session.	This is an error message presented to the operator. It is normally not sent to the eventlog.	The action is normally to call a service technician. The Technician in his turn will find relevant information in the eventlog.	None.
Error	The following components failed to start in time: %1. If the problem persists then call service.	This is an error message presented to the operator. It is normally not sent to the eventlog.	The action is normally to call a service technician. The Technician in his turn will find relevant information in the eventlog.	None.

Severity	Message	Explanation	Action	Information
Error	No contact with the MAMMOMAT. Please check its status and connection. After doing this press OK to attempt to reestablish communication. If Cancel is pressed further images cannot be exposed in this examination. However already exposed cassettes can still be developed. Please call service if the problem persists.	This is an error message presented to the operator. It is normally not sent to the eventlog.	The action is normally to call a service technician. The Technician in his turn will find relevant information in the eventlog.	None.
Error	No contact with the MAMMOMAT. Information for the current exposure will be incorrect. Please check status and connection of the MAMMOMAT. After doing this press OK to attempt to reestablish communication. If Cancel is pressed further images cannot be exposed in this examination. However already exposed cassettes can still be developed. Please call service if the problem persists.	This is an error message presented to the operator. It is normally not sent to the eventlog.	The action is normally to call a service technician. The Technician in his turn will find relevant information in the eventlog.	None.
Error	Re-output cannot proceed. Patient information on the image (%1) differs from Patient information in the examination (%2).	This is an error message presented to the operator. It is normally not sent to the eventlog.	The action is normally to call a service technician. The Technician in his turn will find relevant information in the eventlog.	None.

Severity	Message	Explanation	Action	Information
Error	Re-output cannot proceed. The maximum number of images has already been re-output for the current examination. If more images should be re-output, the current examination has to be ended and a new examination has to be started.	This is an error message presented to the operator. It is normally not sent to the eventlog.	The action is normally to call a service technician. The Technician in his turn will find relevant information in the eventlog.	None.
Error	The chosen cassette is not properly registered and cannot be used. Press OK to remove this exposure from the examination. Press Cancel if the cassette with the exposure is registered and you want another chance to scan its barcode.	This is an error message presented to the operator. It is normally not sent to the eventlog.	The action is normally to call a service technician. The Technician in his turn will find relevant information in the eventlog.	None.
Error	Scanning a barcode is currently not allowed. Please expose the cassette first in order to continue.	This is an error message presented to the operator. It is normally not sent to the eventlog.	The action is normally to call a service technician. The Technician in his turn will find relevant information in the eventlog.	None.
Error	The size of the registered cassette (%1) differs from the size sent by the reader (%2). The readout of the current image has been aborted. Please, correct the cassette size in Cassette Administration and re-output this image.	This is an error message presented to the operator. It is normally not sent to the eventlog.	The action is normally to call a service technician. The Technician in his turn will find relevant information in the eventlog.	None.

Severity	Message	Explanation	Action	Information
Error	Database recovery failed due to lock or database problem for registered cassettes. %1 retries done. Press Retry for additional retries. If this does not help please call service. If you want to end the session, Press Cancel and use normal menu entry for this.	This is an error message presented to the operator. It is normally not sent to the eventlog.	The action is normally to call a service technician. The Technician in his turn will find relevant information in the eventlog.	None.
Error	Database recovery failed due to lock or database problem for examinations. %1 retries done. Press Retry for additional retries. If this does not help please call service. If you want to end the session, Press Cancel and use normal menu entry for this.	This is an error message presented to the operator. It is normally not sent to the eventlog.	The action is normally to call a service technician. The Technician in his turn will find relevant information in the eventlog.	None.
Error	Cassette cannot be developed in the reader unless an examination is in progress. Please, register a patient first.	This is an error message presented to the operator. It is normally not sent to the eventlog.	The action is normally to call a service technician. The Technician in his turn will find relevant information in the eventlog.	None.

Operator message displayed on the generator control panel

Severity	Message	Explanation	Action	Information
Error	778	Message given during an examination if there is no contact with the acquisition workstation.	Press the Limit button on the generator control panel to continue.	See also warning below.

**WARNING**

When resetting error 778 with the limit button on the MAMMAT 3000 Nova, the MAMMAT 3000 Nova will switch to film exposure mode (“cr” disappears from the generator control panel). To resume DIGISCAN M mode, please check status and connection of the acquisition workstation. After doing this press OK to attempt to reestablish communication.

See Fuji Service Manual FCR 5000MA plus, 009-058... .

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Page	Chapter	Change
3-7	Communication Switch (option)	Chapter is new.
4-1	Syngo event log	Second step is rewritten. Picture in second step replaced.
4-2	Syngo event log	Picture of home menu is replaced.

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